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(SDCS)

SPECIAL DATA COLLECTION SYSTEM EVENT REPORT
Eastern Kazakh SSR, 19 May 1976.

(10) ~~K.J. Hill, M.S. Dawkins and M.D. Gillispie~~
Alexandria Laboratories

Teledyne Geotech, 314 Montgomery Street, Alexandria, Virginia 22314

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(16) VT/4703

Monitored By

VELA Seismological Center

312 Montgomery Street, Alexandria, Virginia 22314

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Eastern Kazakh SSR, 19 May 1976

	"P" Arrival	Origin Time	Lat.	Long.	m_b	M_s
NORSAR	03:04:18.3	02:56:48	49 N	080 E	4.6	N/A
Hagfors	03:04:08.7	02:56:56	50 N	079 E	5.2	N/A

02:57:05.4 50.8N 077.7E 4.6 N/A

All SDCS stations were operational during this period.

The SDCS stations did not record long-period signals for this event and are not included in this report.

Scaling factors on plots are millimicrons at 1 Hz (not corrected for instrument response).

ACCESSION #

WHITE SECTION ☐

BLACK SECTION ☒ ✓

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STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES		ELEVATION METERS	INSTRUMENTATION	
		DEG	MN SECS		SHORT - PERIOD	LONG - PERIOD
ALPA	Alaska	65 14 147 44	00.0 N 36.0 W	626	None	31300
CPSO	McMinnville, Tennessee	35 35 085 34	41.4 N 13.5 W	574	6480 V 7515 H	SL210 V SL220 H
FN-WV	Franklin, West Virginia	38 32 079 30	58.0 N 47.0 W	910	KS36000	KS36000
LASA	Billings, Montana	46 41 106 13	19.0 N 20.0 W	744	HS10	7505A V 8700C H
HN-ME	Houlton, Maine	46 09 067 59	43.0 N 09.0 W	213	KS36000	KS36000
NORSAR	Kjeller, Norway	60 49 010 49	25.4 N 56.5 E	379	HS10	7505A V 8700C H
RK-ON	Red Lake, Ontario	50 50 093 40	20.0 N 20.0 W	366	18300	SL210 V SL220 H
WH2YK	White Horse, Yukon	60 41 134 58	41.0 N 02.0 W	853	18300	SL210 V SL220 H

HYPOCENTER DETERMINATION

INPUT FOR EVENT 19 MAY 76
02:57:00.0 49.000N 80.000E 0KM.

STA.	ARRIVAL	RESIDUALS		DIST. REST	AZ. REST
		CALC	REST		
NAO	03 04 18.3	0.2	0.2	37.3	312.0
WH2YK	03 07 51.4	0.2	0.2	65.8	16.9
RK-ON	03 09 06.3	-1.1	-1.1	78.5	354.5
LAO	03 09 31.4	0.6	0.6	82.9	2.7

67 HERRIN TRAVEL TIME TABLES

ORIGIN	LAT.	LONG.	DEPTH (KM)	SDV	IT	STA
02:57:05.4	50.751N	77.737E	0. CALC	0.7	4	4
02:57:05.4	50.751N	77.737E	0. REST	0.7	4	4

CALC				REST			
1	2	3	4	1	2	3	4
1	.	0		1	.	0	
0	0.0	0		0	0.0	0	
.
0	0.0	0	0	0	0.0	0	0
0	.	0		0	.	0	
0	0			0	0		

CHIEF COVERAGE ELLIPSE; 95 PER CENT CONF..LEVEL, SDV= 0.99
MAJOR 366.8KM. MINOR 43.6KM. AZ= 179 AREA= 50198 SQ.KM. REST

DATA SUMMARY

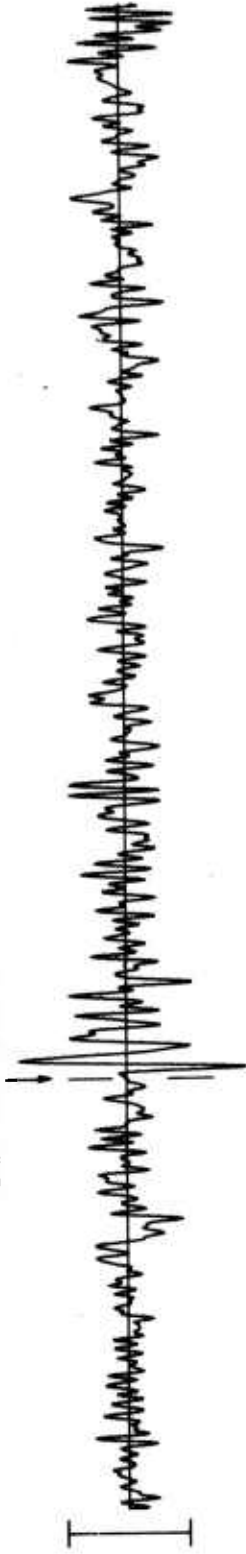
INPUT FOR EVENT 19 MAY 76
02:57:00.0 49.000N 80.000E 0KM.

STA.	PHASE	ARRIVAL		INST	PER	A/T	MAGNITUDE		DIR	DIST
		TIME					MB	MS		
NAO	EP	03	04 18.3	AB	0.6	21.	4.52			37.3
WH2YK	EP	03	07 51.4	SPZ	0.7	13.	4.81			65.8
RK-ON	EP	03	09 06.3	SPZ	0.6	7.	4.39			78.5
LAO	EP	03	09 31.4	SAB	99.9	9999.				

ORIGIN	LAT.	LONG.	DEPTH (KM)	MAG	SDV	STA
02:57:05.4	50.751N	77.737E	0. CALC	4.58	0.22	3
02:57:05.4	50.751N	77.737E	0. REST	4.58	0.22	3

WH2YK 19 MAY 76
03:07:51.4

SPZ
11.36 MU



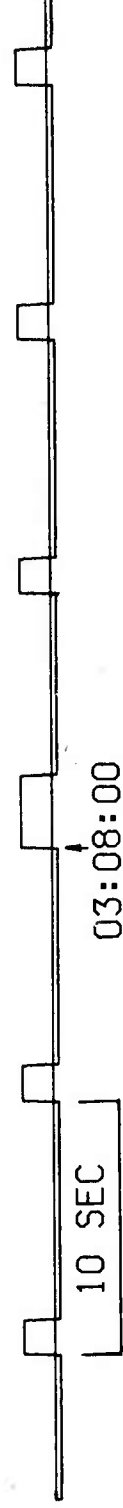
SPR
5.21 MU



SPT
8.44 MU



TIME



RK-ON 19 MAY 76
03:09:06.3

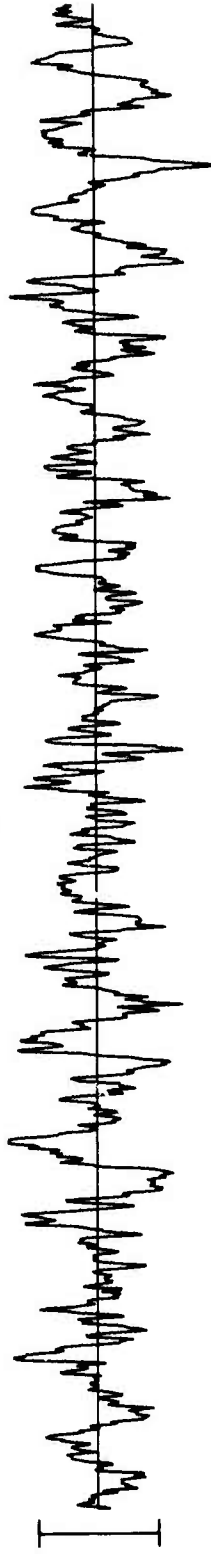
SPZ
7.84 MU



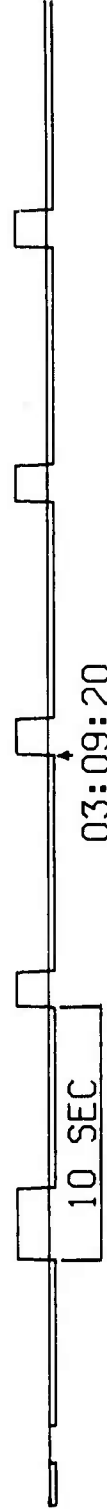
SPR
5.55 MU



SPT
5.45 MU



TIME



03:09:20